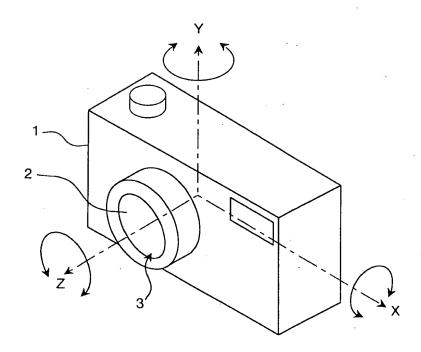
OBLON, SPIVAK, ET AL
DOCKET #: 210829US2
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FIG.1



OBLON, SPIVAK, ET AL
DOCKET #: 210829US2
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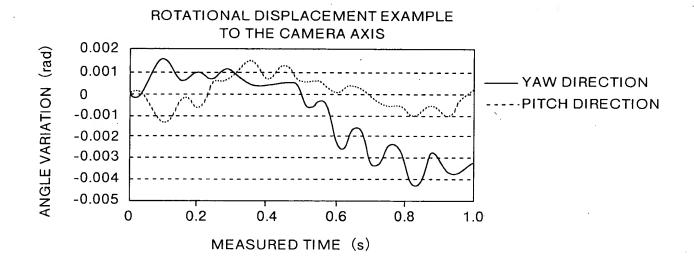
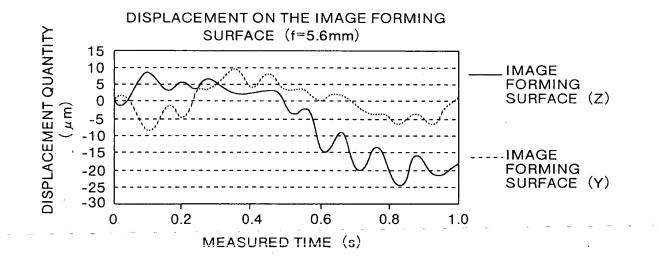
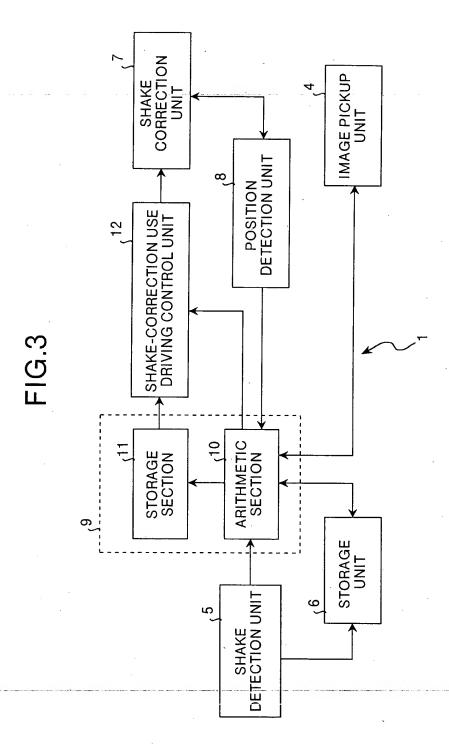


FIG.2B



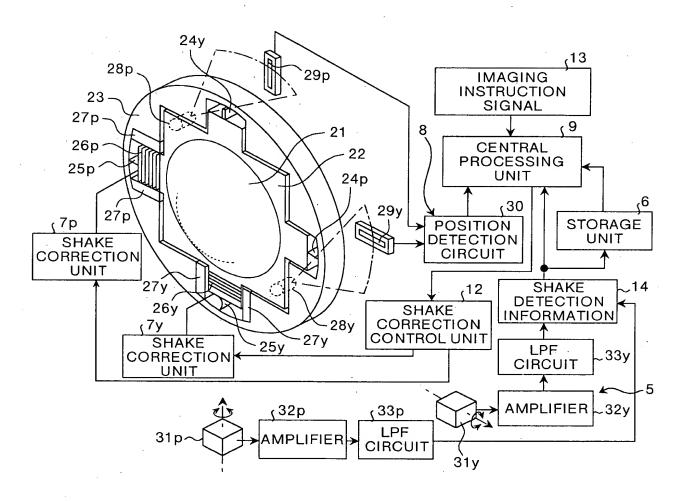
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FIG.4



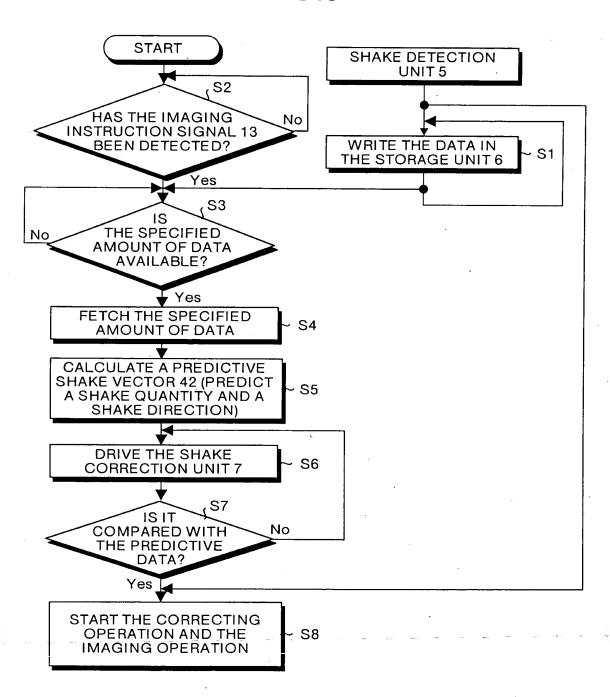
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OBLON, SPIVAK, ET AL DOCKET #: 210829US2 INV: Tomofumi KITAZAWA, et al. SHEET <u>5</u> OF <u>43</u>

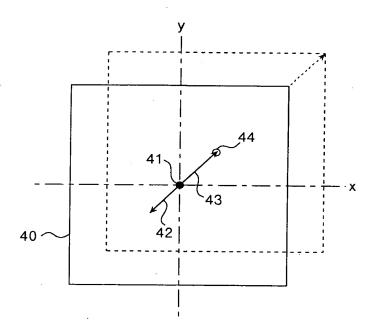
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FIG.5



OBLON, SPIVAK, ET AL
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INV: Tomofumi KITAZAWA, et al.
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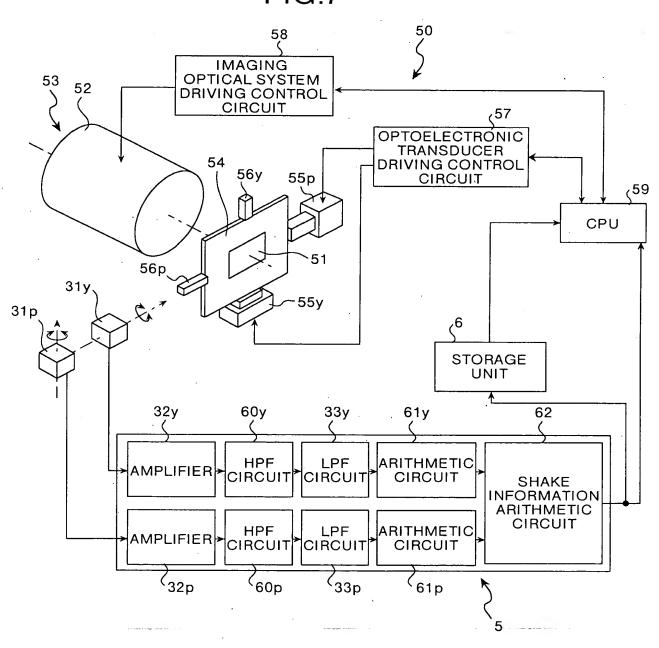
FIG.6





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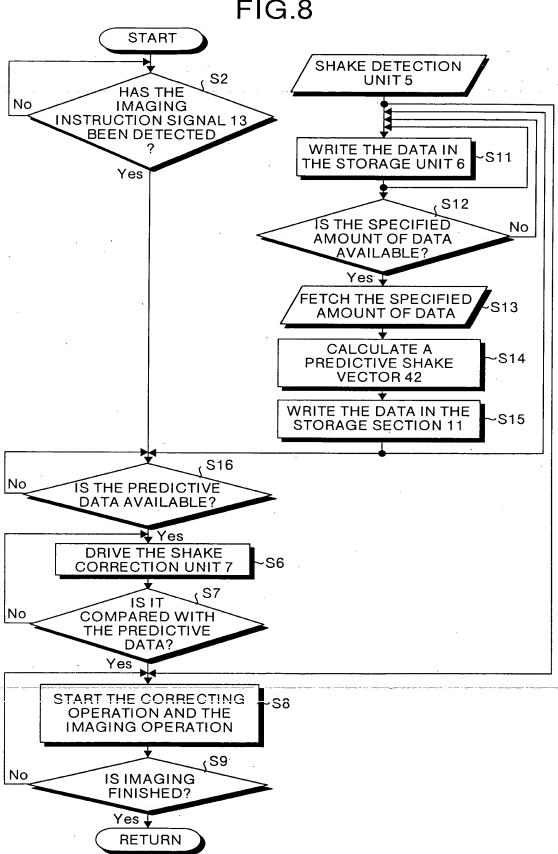




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OBLON, SPIVAK, ET AL **DOCKET #: 210829US2** INV: Tomofumi KITAZAWA, et al. SHEET 8 OF 43 .

FIG.8



OBLON, SPIVAK, ET AL DOCKET #: 210829US2 INV: Tomofumi KITAZAWA, et al. SHEET 9 OF 43 9/43

FIG.9

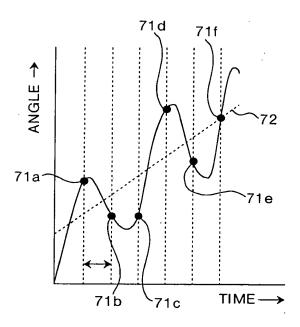
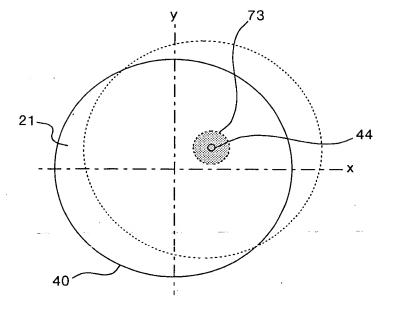
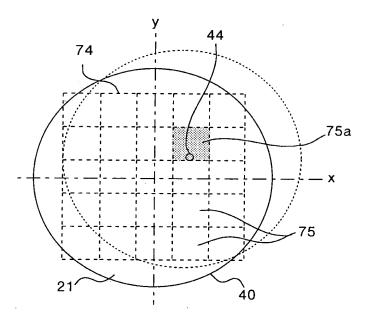


FIG.10



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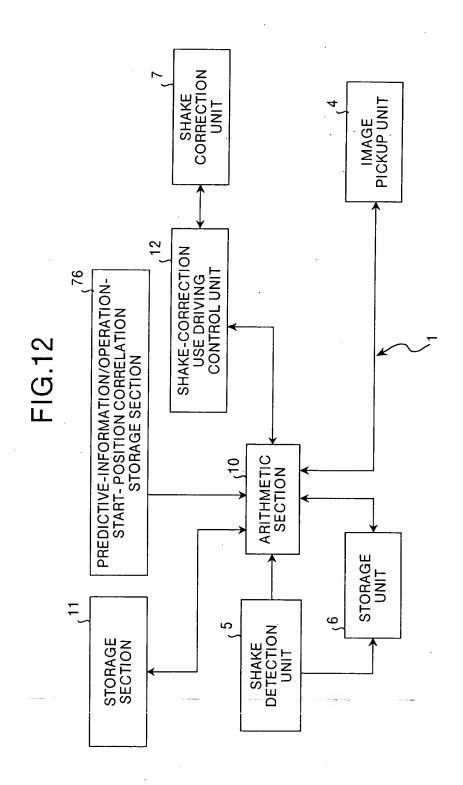
FIG.11



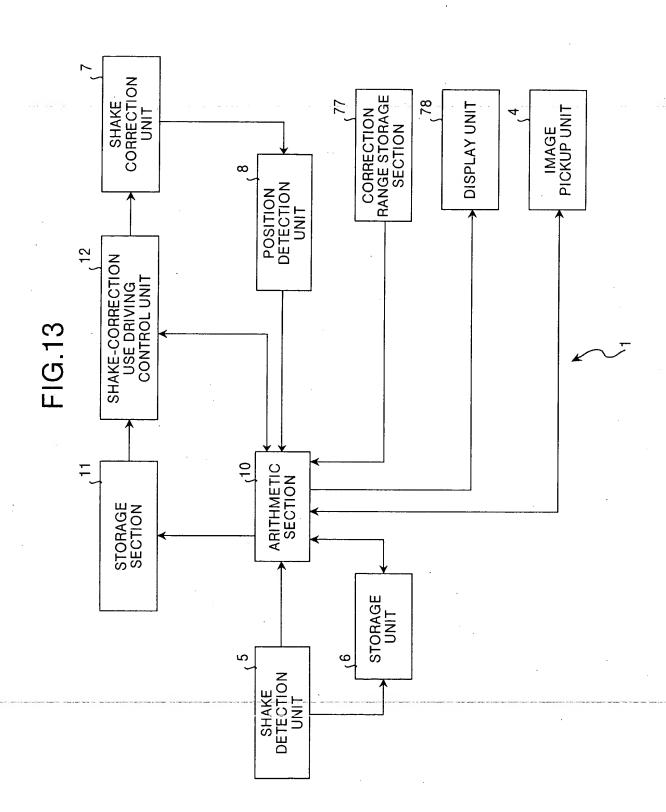
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OBLON, SPIVAK, ET AL DOCKET #: 210829US2 INV: Tomofumi KITAZAWA, et al. SHEET 11 OF 43



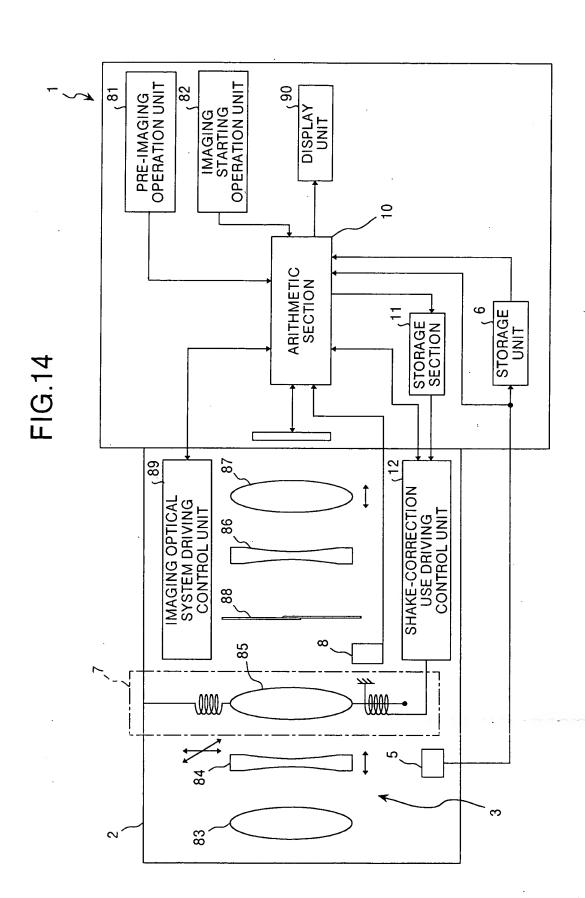


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OBLON, SPIVAK, ET AL DOCKET #: 210829US2 INV: Tomofumi KITAZAWA, et al. SHEET <u>13</u> OF <u>43</u>

561 <u>15</u> 01 <u>49</u>



24y

28p

27p

27y

ر7у

26y

SHAKE

CORRECTION

UNIT

31p

23

27p-

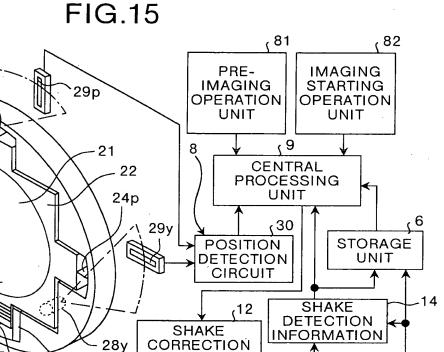
25p

SHAKE

CORRECTION UNIT

ر7p

14/43



CONTROL UNIT

31y

(33p LPF

CIRCUIT

LPF

CIRCUIT

AMPLIFIER

.33y

_32y

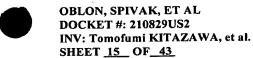
5

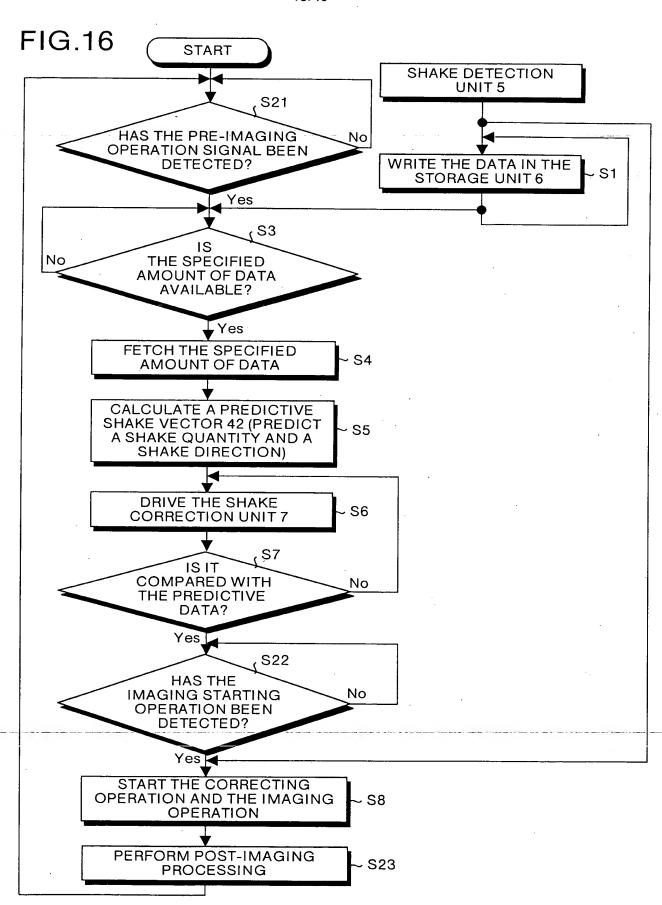
- 27y

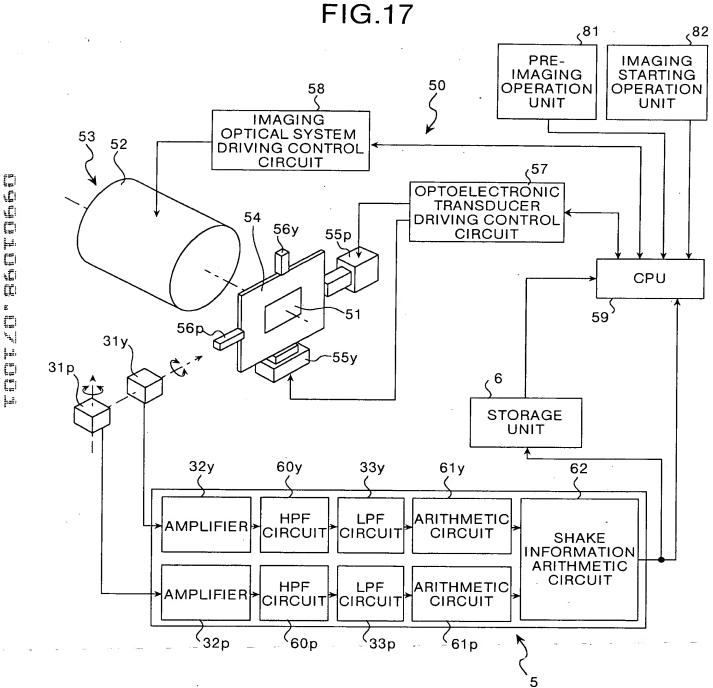
25y

(32p

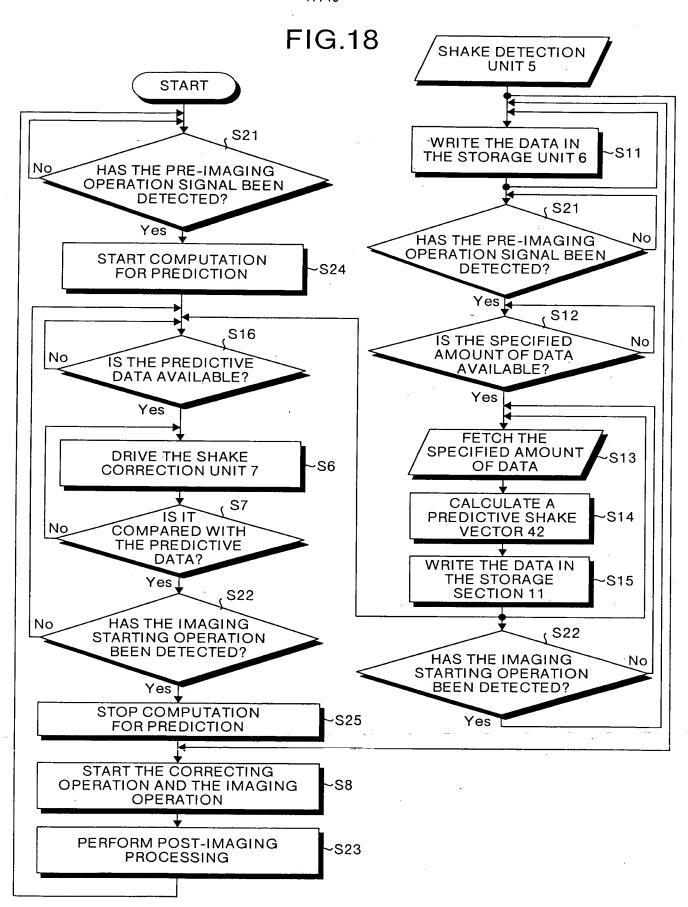
AMPLIFIER







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FIG.19

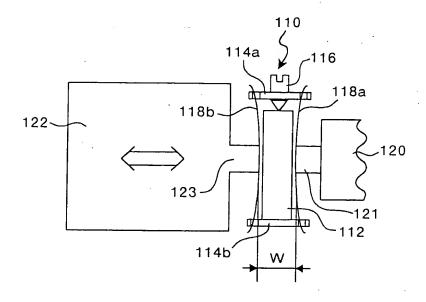
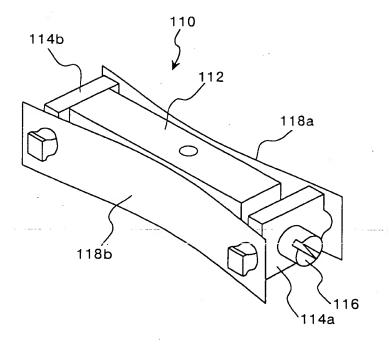


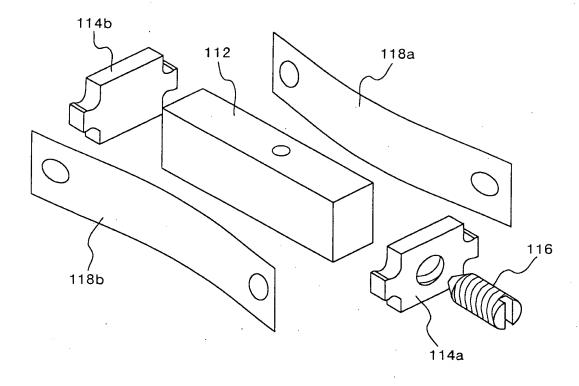
FIG.20



OBLON, SPIVAK, ET AL DOCKET #: 210829US2
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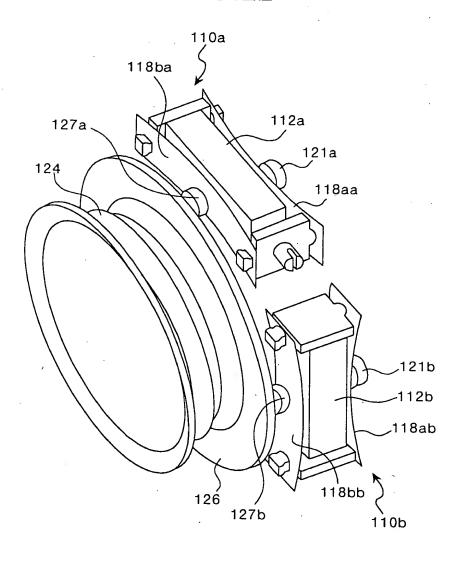
FIG.21



OBLON, SPIVAK, ET AL DOCKET #: 210829US2 INV: Tomofumi KITAZAWA, et al. SHEET <u>20</u> OF<u>43</u>

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FIG.22



OBLON, SPIVAK, ET AL DOCKET #: 210829US2 INV: Tomofumi KITAZAWA, et al. SHEET <u>21</u> OF <u>43</u>

FIG.23

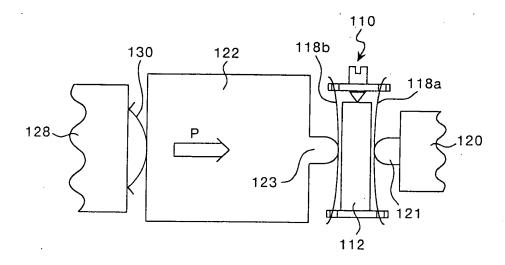
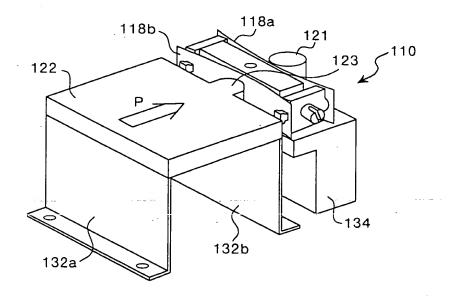
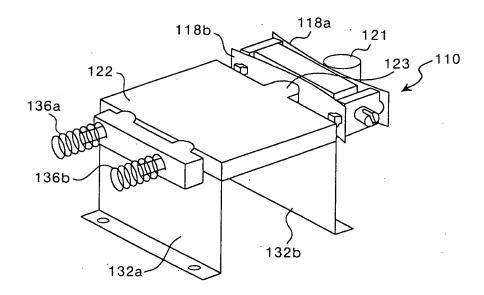


FIG.24



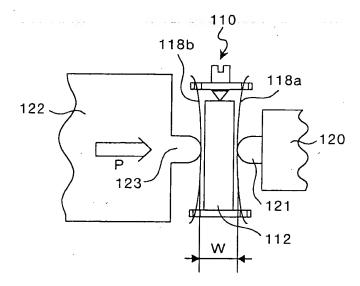
OBLON, SPIVAK, ET AL DOCKET #: 210829US2 INV: Tomofumi KITAZAWA, et al. SHEET <u>22</u> OF <u>43</u>

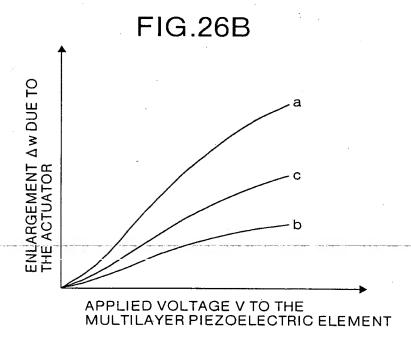
FIG.25



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FIG.26A

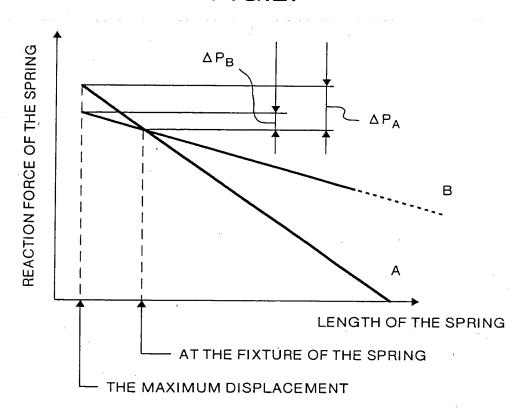






OBLON, SPIVAK, ET AL DOCKET #: 210829US2 INV: Tomofumi KITAZAWA, et al. SHEET 24 OF 43

FIG.27



OBLON, SPIVAK, ET AL
DOCKET #: 210829US2
INV: Tomofumi KITAZAWA, et al.
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FIG.28A

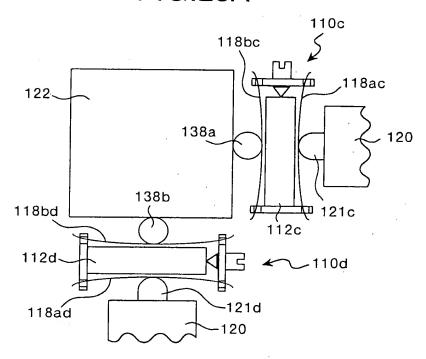


FIG.28B

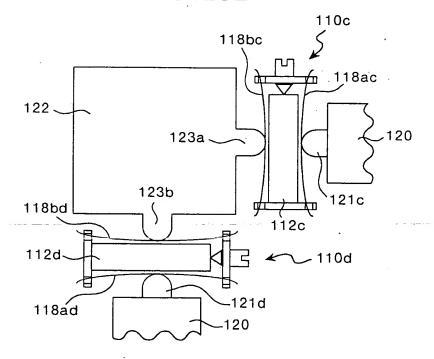
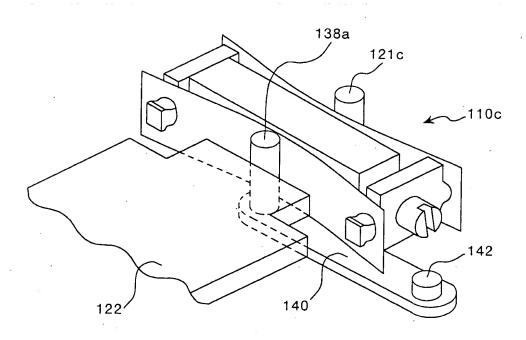


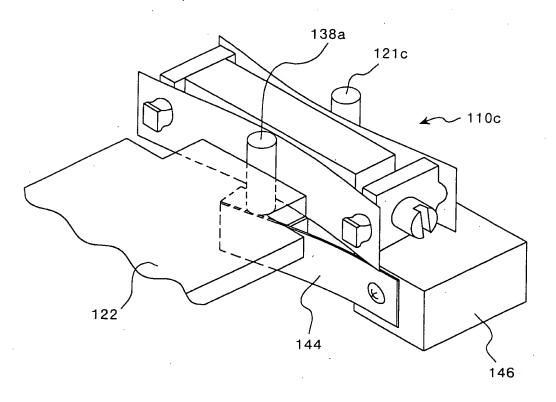


FIG.29



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FIG.30



OBLON, SPIVAK, ET AL DOCKET #: 210829US2 INV: Tomofumi KITAZAWA, et al. SHEET <u>28</u> OF <u>43</u>

FIG.31A

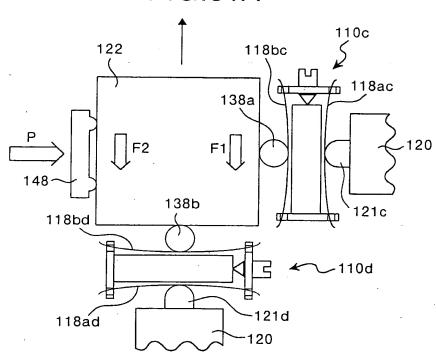
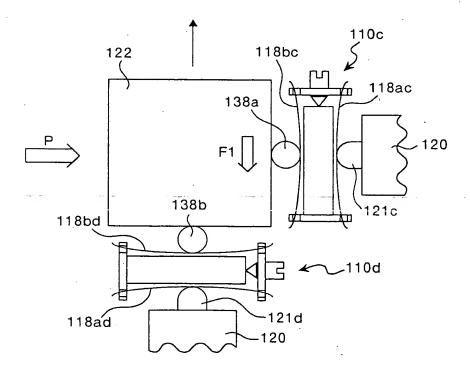


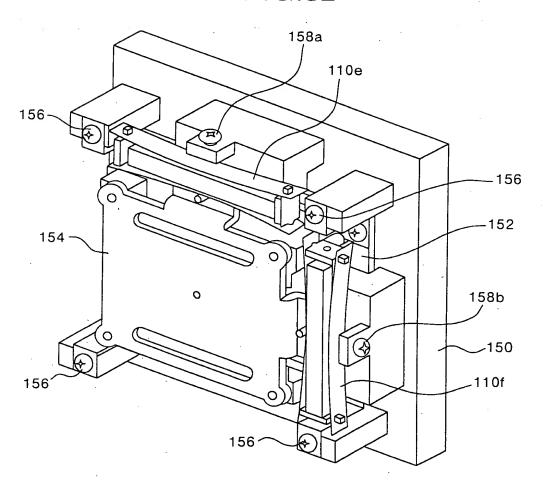
FIG.31B



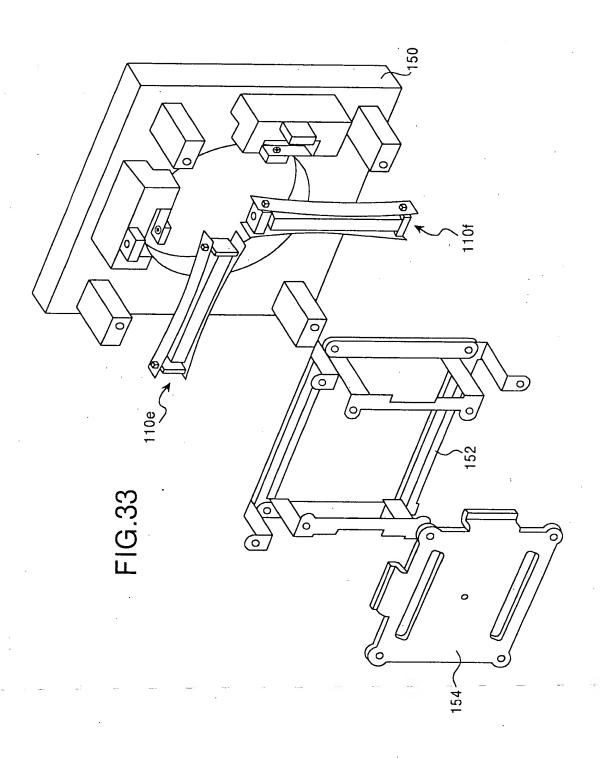
OBLON, SPIVAK, ET AL
DOCKET #: 210829US2
INV: Tomofumi ALTAZAWA, et al.

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FIG.32

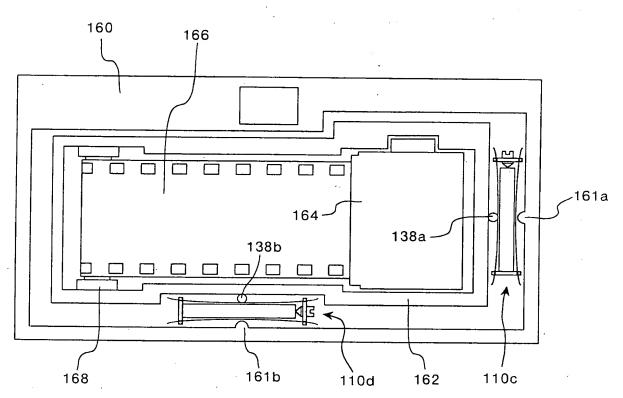


OBLON, SPIVAK, ET AL DOCKET #: 210829US2 INV: Tomofumi KITAZAWA, et al. SHEET <u>30</u> OF <u>43</u>

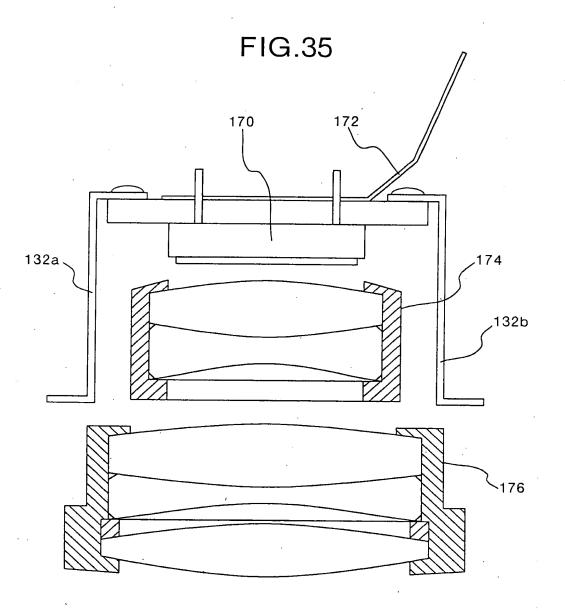


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INV: Tomofumi KITAZAWA, et al.
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FIG.34



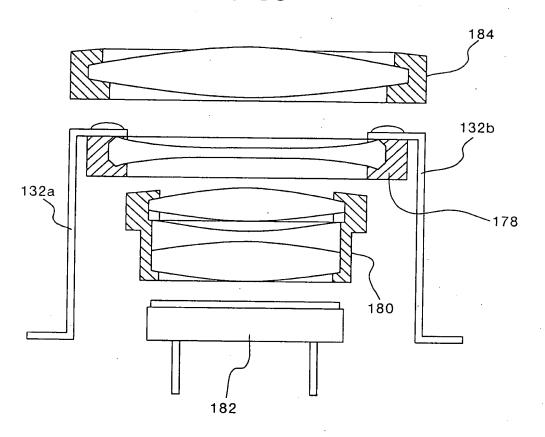
OBLON, SPIVAK, ET AL DOCKET #: 210829US2 INV: Tomofumi KITAZAWA, et al. SHEET 32_OF_43





OBLON, SPIVAK, ET AL DOCKET #: 210829US2 INV: Tomofumi KITAZAWA, et al. SHEET 33 OF 43

FIG.36



1001

FIG.37

1010

1100

OBLON, SPIVAK, ET AL DOCKET #: 210829US2 INV: Tomofumi KITAZAWA, et al. SHEET 34 OF 43 34/43 **→** (OUTPUT) ► (OUTPUT) 1113 PROCESSING SECTION RECORDING/ STORAGE SECTION DISPLAY, OUTPUT DISPLAY SECTION 1013 SIGNAL GENERATOR IMAGE PICKUP APPARATUS SYSTEM CONTROLLER ,1110 SIGNAL PROCESSING SENSOR DATA
PROCESSING SECTION IMAGE SYNTHESIS PROCESSING SECTION ,1114 BLOCK 1011 CONVERSION PIXEL SHIFTING CONTROL UNIT A-TO-D 1015 → SHAKE DETECTION SECTION 1012 PIXEL-SHIFTING USE DRIVING SHAKE CORRECTION CONTROL UNIT (1017 IMAGE PICKUP BLOCK 1002,1003 LIND 1005 1102,1103 CORRECTION USE DRIVING UNIT SHAKE-1004

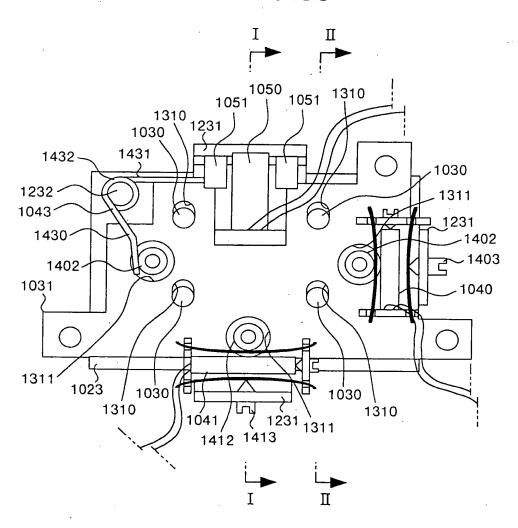
1101

1016



OBLON, SPIVAK, ET AL
DOCKET #: 210829US2
INV: Tomofumi KITAZAWA, et al.
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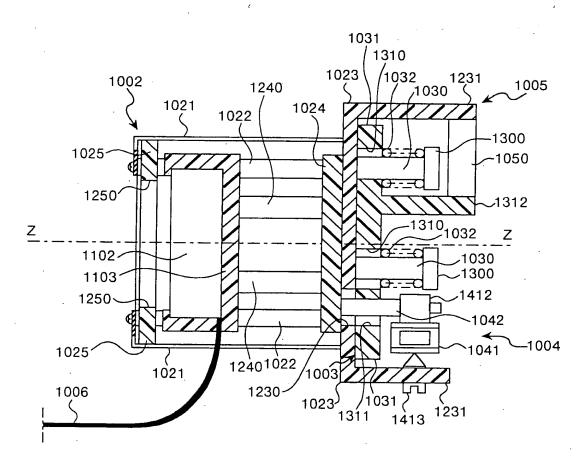
FIG.38





OBLON, SPIVAK, ET AL DOCKET #: 210829US2 INV: Tomofumi KITAZAWA, et al. SHEET 36 OF 43

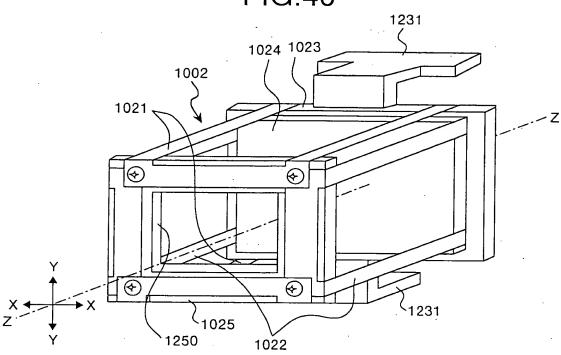
FIG.39





OBLON, SPIVAK, ET AL DOCKET #: 210829US2 INV: Tomofumi KITAZAWA, et al. SHEET <u>37</u> OF<u>43</u>

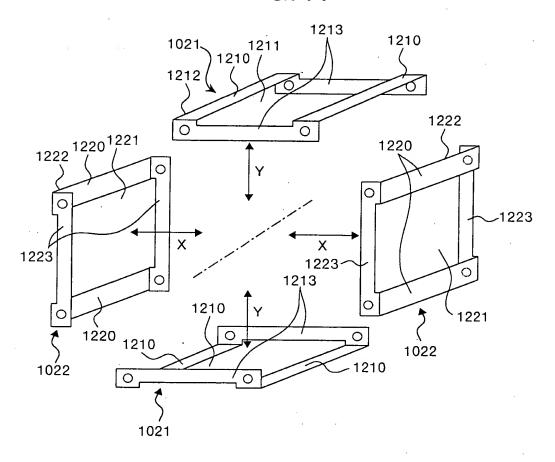






OBLON, SPIVAK, ET AL DOCKET #: 210829US2 INV: Tomofumi KITAZAWA, et al. SHEET <u>38</u> OF <u>43</u>

FIG.41





OBLON, SPIVAK, ET AL DOCKET #: 210829US2
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FIG.42

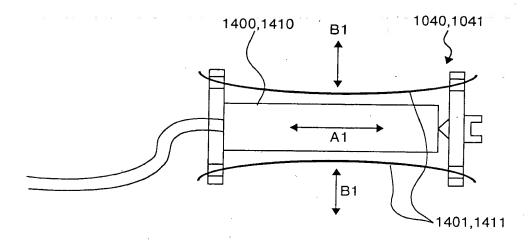
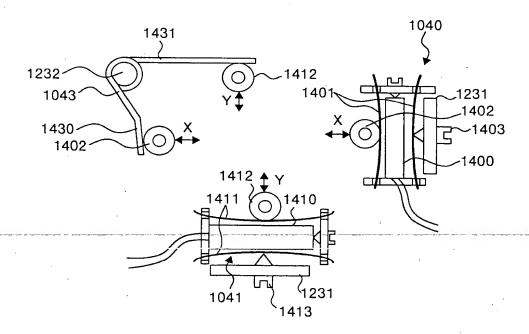


FIG.43







OBLON, SPIVAK, ET AL
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INV: Tomofumi KITAZAWA, et al.
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FIG.44

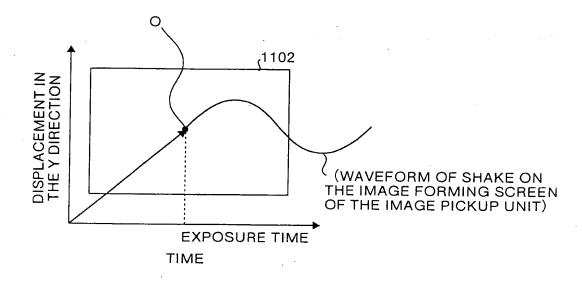
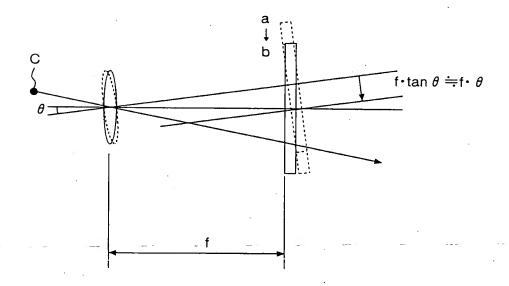
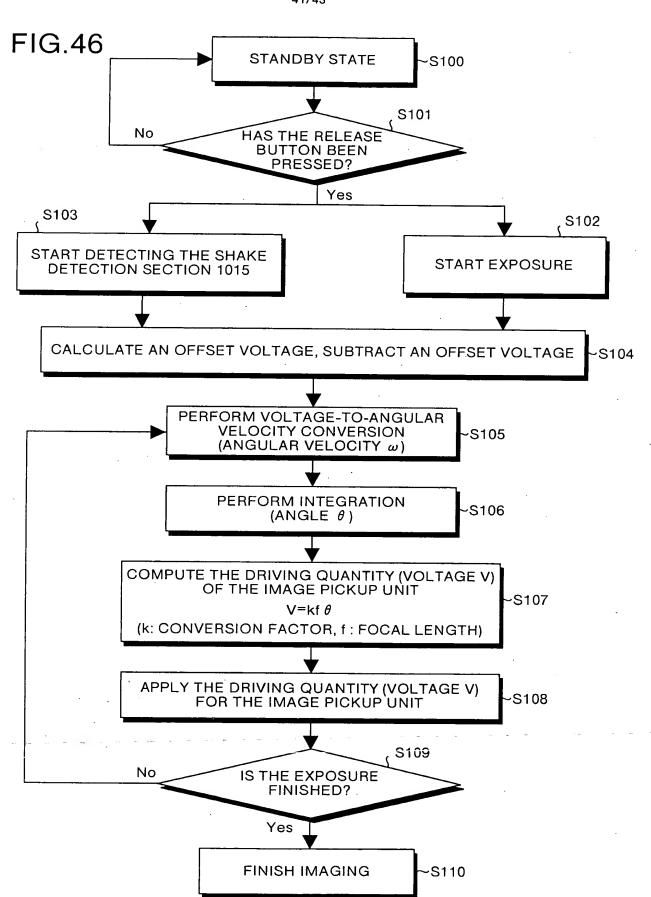


FIG.45





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OBLON, SPIVAK, ET AL
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INV: Tomofumi KITAZAWA, et al.
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FIG.47

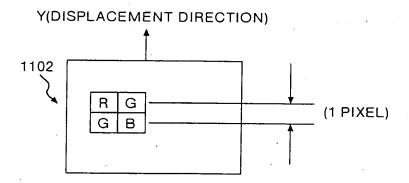
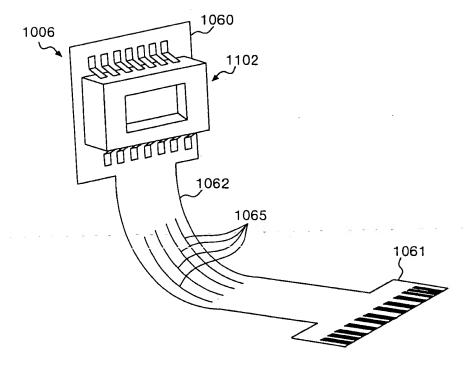


FIG.48



OBLON, SPIVAK, ET AL
DOCKET #: 210829US2
INV: Tomofumi KITAZAWA, et al.
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FIG.49

